



Massachusetts Clean Energy Center

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About the Massachusetts Clean Energy Center

- Established under the Green Jobs Act of 2008
- Dedicated to accelerating the success of clean energy technologies, companies and projects in Massachusetts
- Focused on creating high-quality jobs and long-term economic growth for the people of Massachusetts
- Cutting energy costs for Massachusetts businesses
- Supports growth of early-stage companies
- Supports municipal clean energy projects
- Invests in residential and commercial renewable energy installations

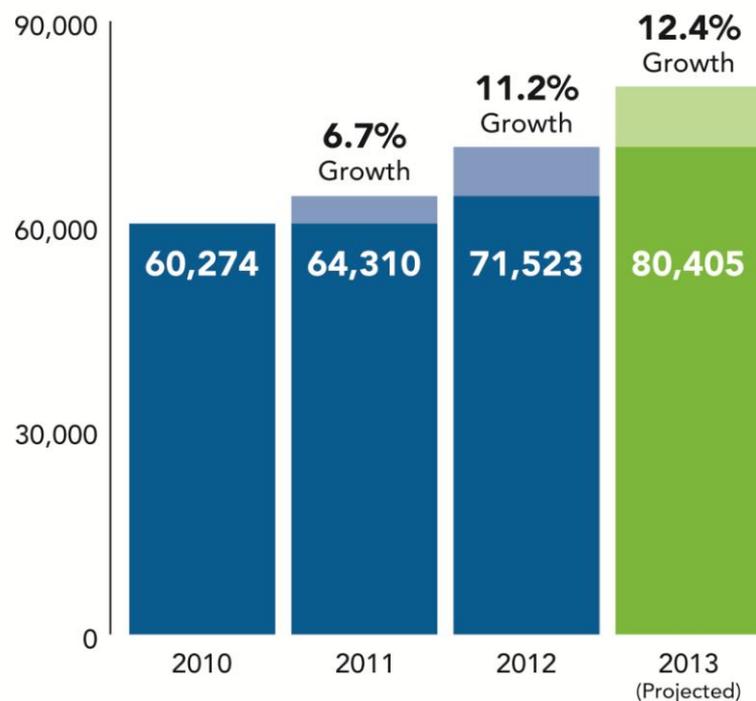


2012 Massachusetts Clean Energy Industry Report

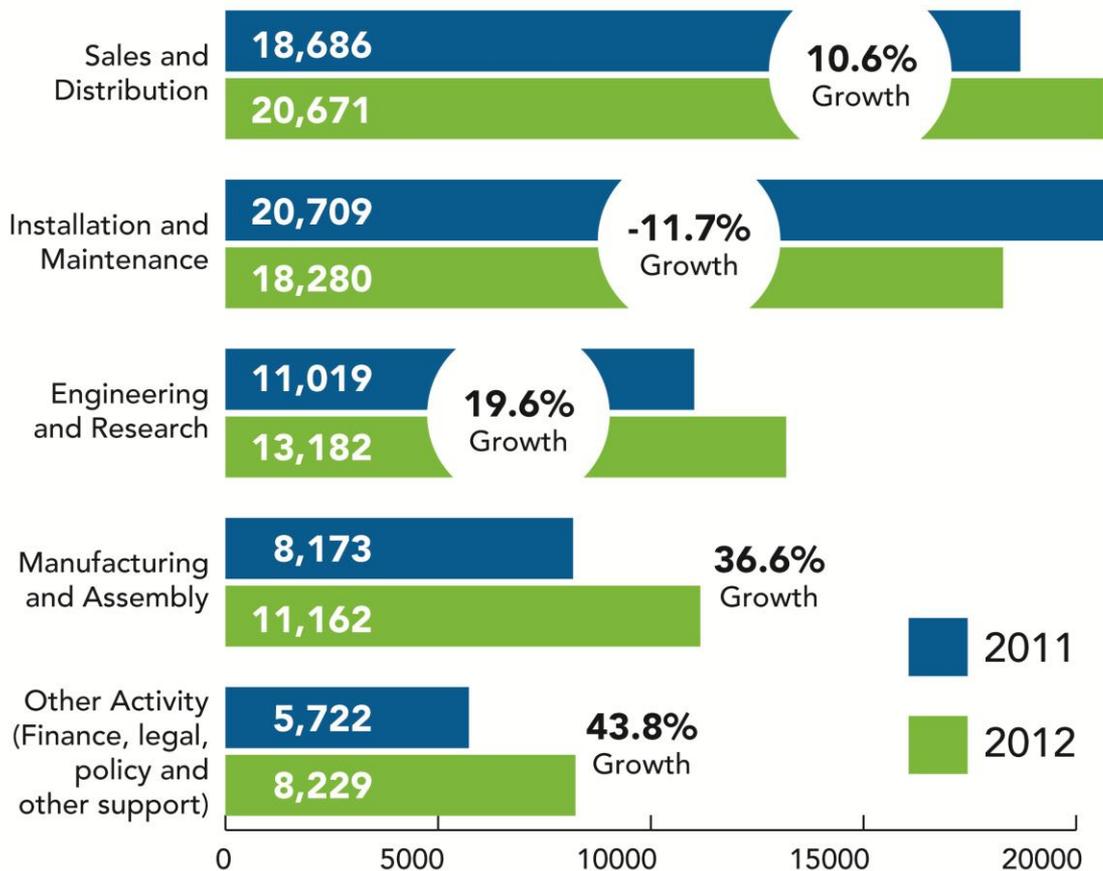


Massachusetts' Clean Energy Economy is Large and Growing

- 11.2% growth since 2011
- 4,995 clean energy firms
- 71,523 clean energy workers
- 1.7% of all workers in Massachusetts



Clean energy workforce is diverse





Clean energy sector characteristics

- 74% of new clean energy jobs are new positions
- 26% are existing employees with new clean energy responsibilities
- Most companies are small businesses with 10 employees or less
- More firms are reporting clean energy revenues are increasing
- Clean energy growth outpacing the general Massachusetts economy by ten-fold



Programs

- Renewable energy rebates: solar, wind, organics to energy, hydro, solar thermal
 - Commonwealth Solar II – rebates
 - Solarize Massachusetts – group solar purchasing
 - Commonwealth Solar Hot Water – financing, rebates, studies
 - Commonwealth Wind – studies, financing
 - Organics-to-energy (anaerobic digestion) – financing, studies
 - Wood stove swap-out - vouchers
- Investments
- Workforce development
- Support renewable energy industry and companies with research, technical assistance
- Clean Energy Infrastructure
 - Wind Technology Testing Facility (WTTC) in Charlestown
 - New Bedford Marine Commerce Terminal



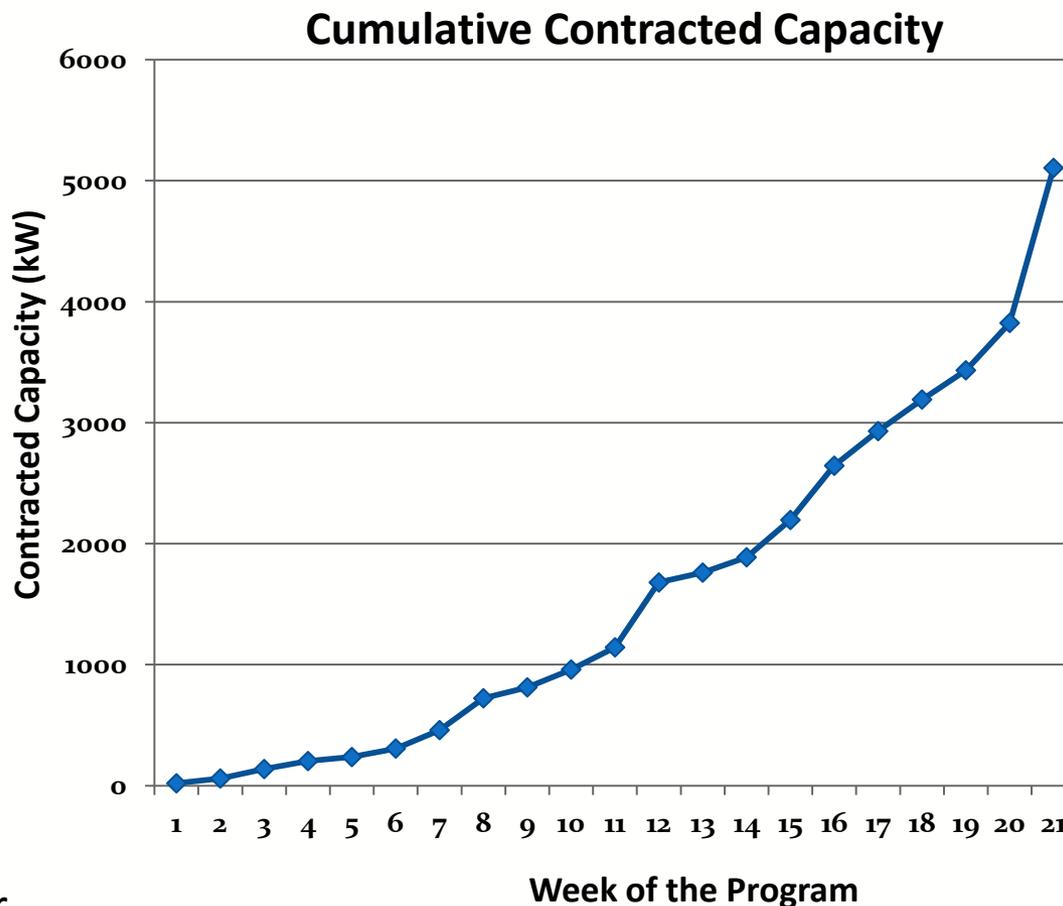
Renewable Installed Capacity in Massachusetts

- 205 megawatts of solar – enough to power the equivalent of 32,424 average Bay State homes
- 100 megawatts of wind – enough to power the equivalent of 31,633 average Bay State homes

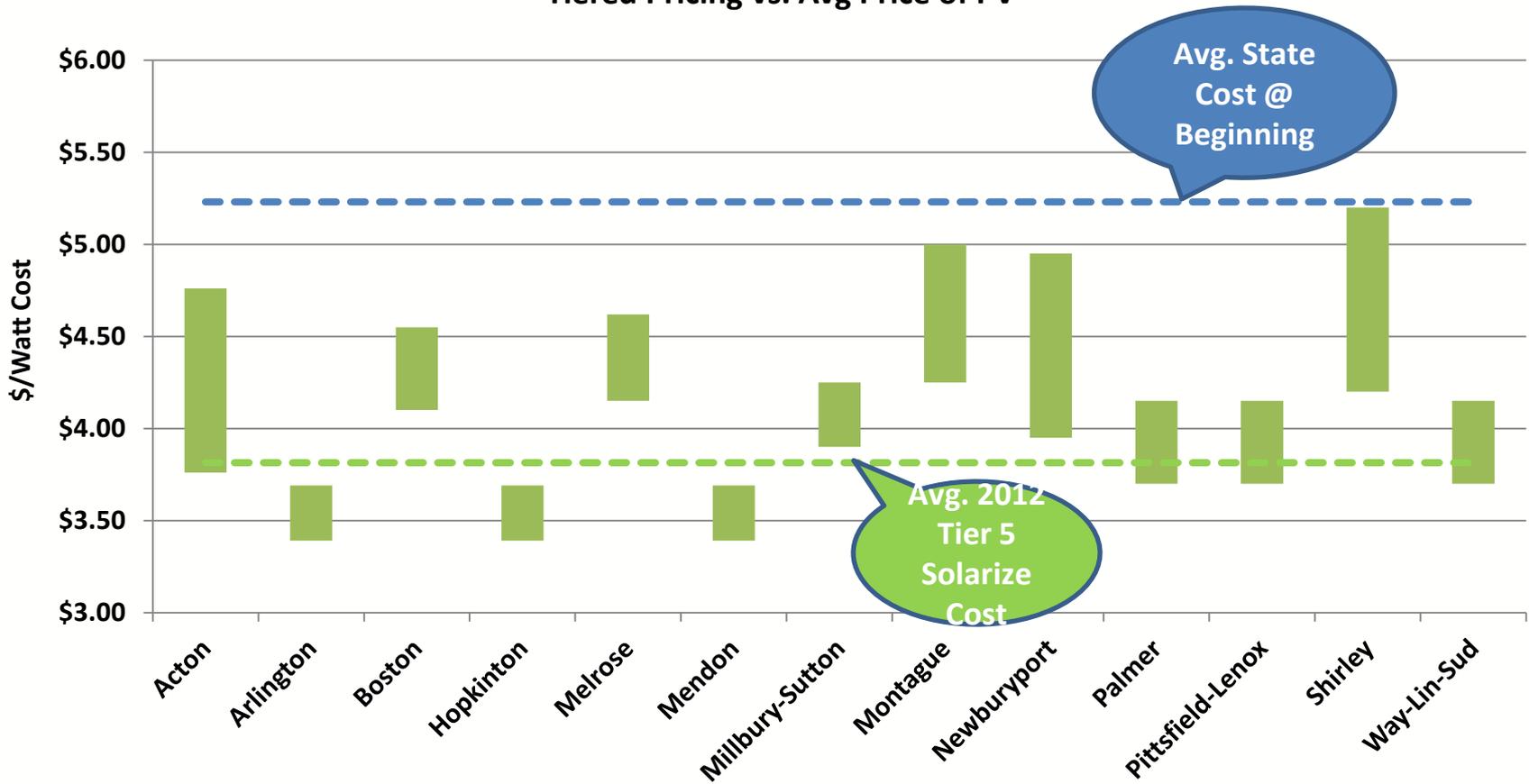
Solarize 2012 Final Metrics

| Total Number Of: | |
|-------------------------------|-------|
| Leads Generated | 5,405 |
| Contracts Signed | 803 |
| Contracted Capacity (mW) | 5.1 |
| Communities at Tier 5 Pricing | 10 |

17 communities including:
Boston, Hopkinton, Palmer,
Newburyport, Sudbury



Tiered Pricing vs. Avg Price of PV





Community Energy Strategies Pilot

- Challenge
 - Municipalities have strong interest to pursue clean energy
 - Resource constraints can limit full development of local clean energy opportunities
- Pilot Program
 - Up to 5 awards (2 DOER Green Communities, 2 other communities, 1 regional planning authority)
 - Provides grants of services: facilitation, clean energy analysis (GIS)
- Goals
 - Help communities identify, implement a mix of clean energy strategies and incentives best suited to address local interests
 - Accelerate adoption of stable, cost effective, clean energy



Investing in company growth

- Catalyst program
 - \$40,000 in grants to researchers
- Investments in advancement of technology
 - \$500,000 equity investments to early-stage companies
- Investments in job creation
 - \$750,000 for 100 new full-time jobs over two years
- NEW: Investing in innovative technologies
 - Innovate Mass(c) - \$1 million in funding for early-stage demonstration projects
- NEW: Seeking to support emerging water innovation cluster



Workforce development internship program

- Program Overview
 - 10-week paid summer internship for Massachusetts college students at Massachusetts-based clean energy companies now expanded to fall and spring
- 2012 - 2011 Results:
 - Placed **262 interns at 77 Massachusetts companies**
 - **46 student have been offered employment** at host companies
 - **98.3% of employers** would consider rehiring their interns after the program.



Questions



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